Arya Lokesh Gowda

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Analytically driven data enthusiast looking for a Fall Internship/ Co-op. Highly passionate to learn how the world of data is adapting

EDUCATION

Northeastern University | *Boston, MA* — *May 2025*
Candidate for M.S in Data Analytics Engineering — *GPA 3.85*
Focusing: Data Management and Data Mining in Analytics, Computation and Visualizations

Visvesvaraya Technological University | *Bangalore, India* — *Jul 2021*
B.E in Electronics and Communication Engineering
Focusing: Data Structures in C and JAVA, Linear Algebra, Information Theory and Cybersecurity

SKILLS

Languages	**:** Python, SQL, R**,** JAVA, C, C++, Script**,** BigQuery, MATLAB, Scala
Database Management Tools	**:** Hadoop, PostgreSQL, MySQL, Oracle SQL Developer, MongoDB, NoSQL
ETL/ Workflow Tools	**:** Spark, Informatica, Azure, Kafka, Airflow, JIRA, Jenkins, ControlM
Development Tools	**:** AWS, Snowflake, GitHub, Google Cloud Platform (GCP), Agile
Analytical Tools	**:** Tableau, PowerBI**,** SAS, Jupyter, Netezza, DBeaver, MS Excel

EXPERIENCE

Data Analyst | *Infosys* | Bangalore, India — *Oct 2021 – Aug 2023*
- Augmented highly scalable data models and data warehouse with 10M records, boosting processes with 100% data governance and slashing costs by 25%, migrated from **Hadoop** to **GCP**
- Implemented AI/ML driven predictive and cluster matching models to amp up **Netezza** analytics by 30%
- Led ETL processes, fine-tuned **BigQuery** queries for cost-efficiency while ensuring data integrity
- Developed ETL pipelines and **ControlM** interfaces managed via Jenkins enhancing daily file transfers and database reconfiguration for Oracle SQL Developer
- Automated data cleaning, preprocessing, exploratory data analytics, data visualization and decision-making, resulting in refined operations and revenue growth of 2%

Data Analytics Intern | *Entuple Solutions* | Bangalore, India — *Jun 2020 – Jan 2021*
- Curated benchmark analytics to enhance products, aiming for a 15% performance improvement through collaboration with cross-functional teams
- Implemented machine learning models to increase product efficiency and savings of $50,000 annually
- Created interactive dashboards in **Tableau** to communicate insights effectively to both technical and non-technical stakeholders

PROJECTS as a part of Northeastern University

Fetal Health Monitoring System | *PySpark, scikit-lean, MLflow* — *Jan 2024-April 2024*
- Collaborated on designing an elaborate classification system through algorithm optimization, reducing resources
- Conducted in-depth statistical analysis and utilized **Python**, **Spark** and ML techniques (Decision Trees, Random Forest, SVM) to achieve 92% classification accuracy, enabling early detection of fetal distress
- Maximized workflows with **Airflow** and **Hive**, integrating **SQL** for data management, ensuring data scalability

Electric Vehicle(EV) Infrastructure Management | *Pandas, Scipy, PyTorch* — *Dec 2023-April 2024*
- Designed a comprehensive EV database architecture in **MySQL** and **MongoDB** consisting of multiple datasets, improving project collaboration and documentation in excel
- Combined data analysis techniques within **AWS** and **Tableau** to pinpoint high-demand regions for EV charging and identify underperforming charging stations.

Crime Pattern Recognition | *Statsmodels, Seaborn, TensorFlow* — *Oct 2023-Dec 2023*
- Applied advanced time series analysis using ARIMA in Python, identifying crime patterns with a 40% deviation from the average, forecasting future trends, leveraging **Azure** for scalable cloud data management
- Perfected a predictive model in **SAS** to project key areas of crime to help with resource allocation, projecting crime reduction by 18%, and visualized outcomes in **PowerBI**

Customer Data Stratification | *NumPy, Matplotlib* — *Sep 2023-Nov 2023*
- Led a team to achieve unique customer profiles using RFM analysis**,** quantifying market recommendations forecasting 5% increase in customer engagement and potential revenue growth of $70,000
- Implemented a natural language processing(NLP) model, predicting customer behavior with 95% accuracy, resulting in a 15% sales uplift, enhancing data comprehension, and facilitating data-driven decision-making